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Clean Version:

In the specification:

Please replace the paragraph that begins on page.
63, line 12, with the following paragraph:

A variety of assays can be used to identify or characterize MC receptor ligands of the invention. For example, the ability of a benzimidazole derivative compound to compete for binding of a known MC receptor ligand can be used to assess the affinity and specificity of a benzimidazole compound for one or more MC receptors. Any MC receptor ligand can be used so long as the ligand can be labeled with a detectable moiety. The detectable moiety can be, for example, a radiolabel, fluorescent label or chromophore, or any detectable functional moiety so long as the MC receptor ligand exhibits specific MC receptor binding. A particularly useful detectable MC receptor ligand for identifying and characterizing other MC receptor ligands is 105 I-HP 467, which has the amino acid sequence Ac-Nle-Gln-His-(p(I)-D-Phe)-Arg-(D-Trp)-Gly-NH2 (SEQ ID NO:1) and is described in Dooley et al., "Melanocortin Receptor Ligands and Methods of Using Same, " U.S. patent application 09/027,108, filed February 20, 1998, which is incorporated herein by reference. HP 467 is a paraicdinated form of HP 228.

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Please replace the paragraph that begins on page 67, line 18, with the following paragraph:

The competitive ELISA method which can be used here is a modification of the direct ELISA technique described previously in =Appel et al., J. Immunol. 144:976-983 (1990), which is incorporated herein by reference. It differs only in the MAb addition step. Briefly, multi-well microplates are coated with the antigenic peptide (Ac-GASPYPNLSNQQT-NH $_2$) (SEQ ID NO:2) at a concentration of 100 pmol/50 μ l. After blocking, 25 μ l of a 1.0 mg/ml solution of each mixture of a synthetic combinatorial library (or individual compound) is added, followed by MAb 125-10F3 (Appel et al., supra) (25 µl per well). The MAb is added at a fixed dilution in which the bicyclic guanidine in solution effectively competes for MAb binding with the antigenic peptide adsorbed to the plate. The remaining steps are the same as for direct ELISA. concentration of compound necessary to inhibit 50% of the MAb binding to the control peptide on the plate (ICs0) is determined by serial dilutions of the compound.

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Please replace the paragraph that begins at page \searrow 69, line 27, with the following paragraph:

Binding assays are carried out in polypropylene tubes, each tube containing 0.5 ml of membrane suspension. 8 nM of H-[D-Ala, Me-Phe, Gly-ol] enkephalin (SEQ ID NO:3) (DAMGO) (specific activity = 36 Ci/mmol, 160,000 cpm per tube; which can be obtained from Multiple Peptide Systems, Sam Diego, CA, through NIDA drug distribution program 271-90-730%; and où µg/ml of picyclic quanidine, individual or as a mixture and Tris-HCl buffer in a total volume of 0.65 ml. Assay tubes are incubated for 60 mins. at 25 C. The reaction is terminated by filtration through GF-B filters on a Tomtec harvester (Orange, CT). The filters are subsequently washed with 6 ml of Tris-HCl buffer, 4 C. Bound radioactivity is counted on a Pharmacia Biotech Betaplate Liquid Scintillation Counter (Piscataway, NJ) and expressed in cpm. To determine inter- and intra-assay variation, standard curves in which 3H-DAMGO is incubated in the presence of a range of concentrations of unlabeled DAMGC (0.13-3900 nM) are generally included in each plate of each assay (a 96-well format). Competitive inhibition assays are performed as above using serial dilutions of the bicyclic quanidines, individually or in mixtures. IC50 values (the concentration necessary to inhibit 50% of 3H-DAMGO binding) are then calculated. IC50 values of less than 1000 nM are indicative of highly active opioid compounds which that is the processor, with particularly active compounds having IC_{FC} values of 100 nM or less and the most active compounds with values of less than 10 nM.